

SVLG Climate Change Recommendations

Robert Parkhurst
Environmental Committee Co-Chair





Silicon Valley Leadership Group

- ❑ Founded in 1977 by David Packard
- ❑ Represent 190+ companies employing more than 250,000 people

Bank of America

Ernst & Young

Intel

Goodwill

Kaiser Permanente

NBC-11

PG&E

SBC

Stanford University

United Defense

- ❑ For all but a few, GHG emissions 75 to 85% from electricity consumption

Climate Change and Business

- ❑ Silicon Valley companies recognize that CO₂ reduction is a competitive advantage
- ❑ Many companies are leaders in reducing their climate change impacts



SVLG Participation

- ❑ 65 Flex Your Power
- ❑ 17 Sustainable Silicon Valley
- ❑ 11 Business Roundtable Climate RESOLVE
- ❑ 10 EPA Climate Leaders
- ❑ 9 PFC EPA MOU
- ❑ 6 PEW Business Environmental Leadership Council
- ❑ 3 California Climate Action Registry
- ❑ 2 G-8 Climate Change statement
- ❑ 1 Chicago Climate Exchange
- ❑ 1 World Economic Forum Registry

SVLG Guiding Principles

- ❑ Conservation
- ❑ Energy Efficiency
- ❑ Low GHG Generation

Conservation

- ❑ Promote energy conservation voluntarily beyond codes through incentives, and strengthening standards.
- ❑ Support public and corporate awareness campaigns and education programs.
- ❑ Encourage real-time metering and sub-panel metering to increase the information available for making energy management decisions.

Energy Efficiency

- ❑ Continue to fund and improve successful utility incentive and rebate programs.
- ❑ Encourage technologies and building techniques to reduce load at both peak and non-peak periods.
- ❑ Support revision and enforcement of building codes and appliance standards to encourage adoption of new energy efficient technology.
- ❑ Support research and development that increases the efficiency of products and services.
- ❑ Streamline the process for incentive programs by reducing bureaucracy to encourage broader participation. Ensure that funds are timely and readily available.

Low-GHG Generation

- ❑ Support innovation that leads to marketable and cost effective products and services. Include pilot demonstrations and technology transfer.
- ❑ Support development of new generation, including distributed generation, building of transmission lines, and distribution facilities, by taking advantage of the cleanest forms of power first.
- ❑ Promote cost effective renewable energy and on-site generation, where appropriate including Combined Heat and Power, on-site solar, and wind.

Low-GHG Generation (con't)

- ❑ Encourage the reduction of institutional barriers to implement cogeneration and on-site generation solutions.
- ❑ Support and encourage technologies that will be most effective during peak demand.
- ❑ Support streamlining the approval process for Low-GHG Generation projects to encourage broader participation.



Thank you!!



Appendix



Case Study: LifeScan

- ❑ Reduced CO2 emissions by 19% between 2000 and 2003
- ❑ Saved 132,000 KWh (82,000 lbs CO2) in 2003
- ❑ Purchased 1.87 million KWh of 100% Bioenergy
- ❑ Implemented LCD purchase policy
- ❑ Committed to a 40% increase in fleet fuel economy by 2009
- ❑ Allocated \$240 million for CO2 reduction projects



Case Study: Roche Pharmaceuticals



- ❑ Committed to reduce CO2 emissions 10% by 2009.
- ❑ Between 2000 and 2004 Roche's Palo Alto site reduced
 - Natural gas consumption by 32%
 - Energy consumption by 36%
 - Efficiency projects have saved more than \$2.8 million.



Case Study: HP

- ❑ Qualified > 1,000 HP products in ENERGY STAR®
- ❑ Increased server efficiency by more than 35%
- ❑ Reduced PFC emissions 26% between 2002 and 2003
- ❑ Implemented > 60 GWh of energy efficiency projects in 2004
- ❑ Became ENERGY STAR® Million Monitor Drive member
- ❑ Purchased 8.6 GWh of green energy in 2004

